

Ulysses Observations of Magnetic Nulls in the Solar Wind

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High time resolution magnetic field measurements (1 vector/s) at radial distances out to 5.3 AU and heliographic latitudes from 0° to > 35° S reveal the presence of solitary pulses lasting tens of seconds in which the field magnitude approaches or reaches zero. The properties of these nulls, their spatial distribution and relation to solar wind structures and to similar-appearing interplanetary and magnetospheric impulses will be discussed.

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